

# 3.7

## Mixed Number Multiplication

### • Example 1

$$\begin{aligned} 1\frac{1}{2} \times \frac{3}{4} &= \frac{3}{2} \times \frac{3}{4} \\ &= \frac{3 \times 3}{2 \times 4} \\ &= \frac{9}{8} = 1\frac{1}{8} \end{aligned}$$

### • • • CHECK YOURSELF 1

Multiply.

$$\frac{5}{8} \times 3\frac{1}{2}$$

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### • • • CHECK YOURSELF ANSWER

1.  $\frac{5}{8} \times 3\frac{1}{2} = \frac{5}{8} \times \frac{7}{2} = \frac{35}{16} = 2\frac{3}{16}$ .

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# 3.7 Exercises

Name \_\_\_\_\_

Section \_\_\_\_\_

Date \_\_\_\_\_

## A N S W E R S

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

Multiply. Be sure to simplify each product.

1.  $1\frac{2}{5} \times \frac{3}{4}$

2.  $1\frac{2}{3} \times \frac{1}{3}$

3.  $\frac{5}{8} \times 1\frac{3}{4}$

4.  $\frac{7}{8} \times 1\frac{3}{5}$

5.  $3\frac{1}{3} \times \frac{9}{11}$

6.  $\frac{2}{3} \times 2\frac{2}{5}$

7.  $3\frac{1}{3} \times \frac{3}{7}$

8.  $\frac{2}{5} \times 3\frac{1}{4}$

9.  $\frac{2}{5} \times 1\frac{1}{4}$

10.  $2\frac{1}{4} \times \frac{1}{5}$

11.  $1\frac{7}{15} \times \frac{5}{6}$

12.  $\frac{3}{8} \times 3\frac{3}{7}$